



Drought Conditions Continue

August 25, 2022
12:40 PM

Latest Drought Update - August 25

Key Messages

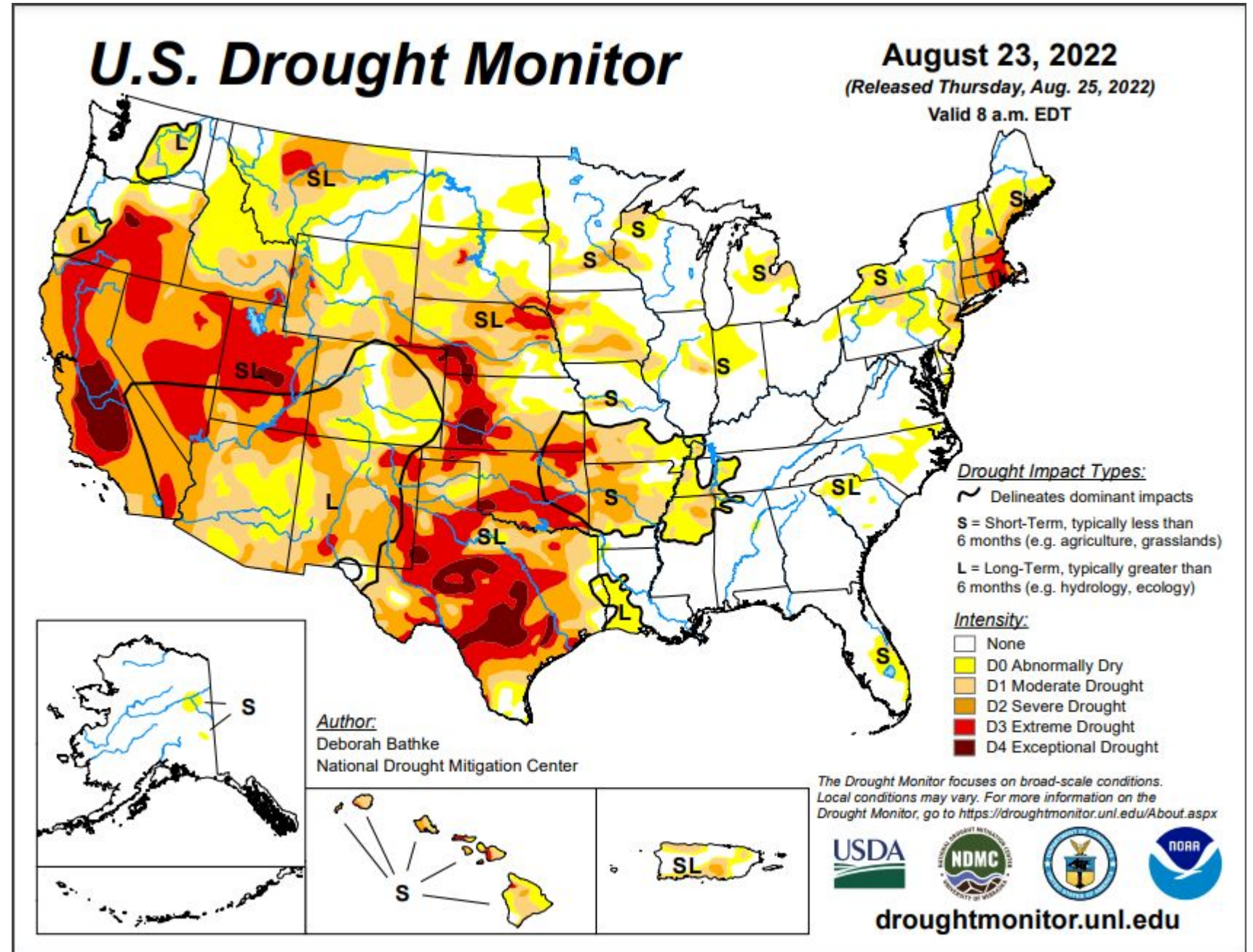
- Extreme drought remains over portions of far southwest Missouri and southeast Kansas.
- Severe drought coverage has decreased significantly over southwest and central Missouri.
- There will be a chance for rain this weekend and next week, which may bring continued improvement in drought over the region.

NEW Important Updates

Much of southwest and central Missouri had improvement in drought conditions.

Next Scheduled Briefing

→ Thursday September 1, 2022





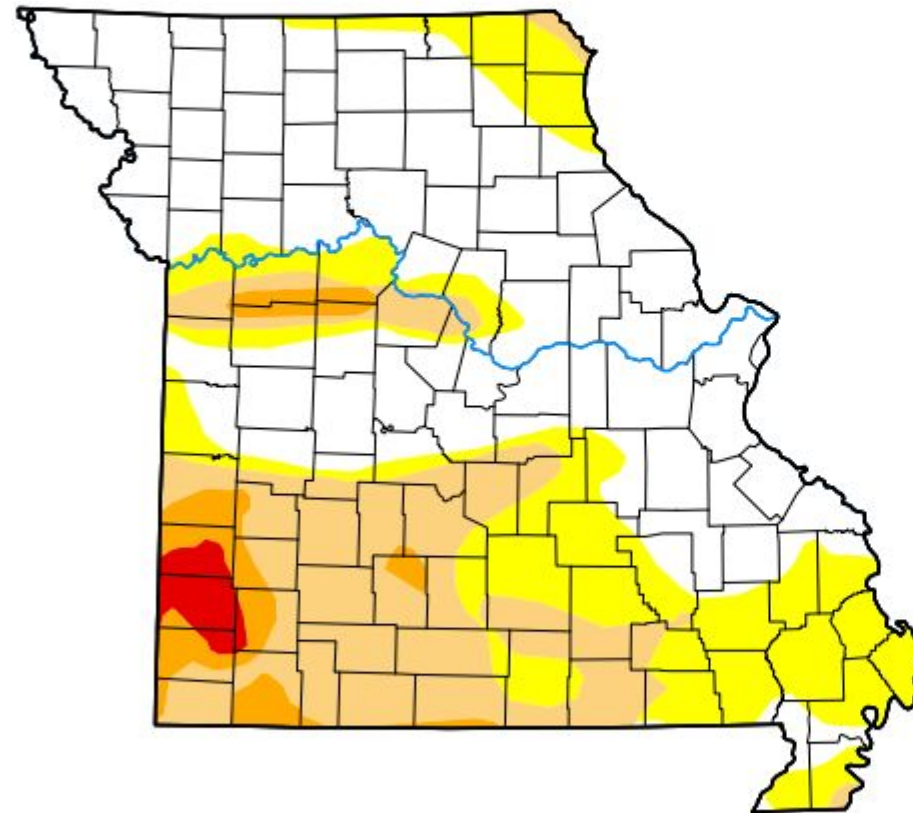
Missouri Drought Monitor

August 25, 2022
12:40 PM

Overview

- Extreme (D3) drought conditions remained over much of Jasper, southern Barton and northeast Newton Counties.
- Severe (D2) drought decreased significantly and now only covers 6 percent of the state. Areas in severe drought include locations south of the Missouri River between Kansas City and Sedalia, areas surrounding the extreme drought area over southwest Missouri, and portions of Barry and Webster Counties.
- Moderate (D1) drought covers much of southwest and south central Missouri.

U.S. Drought Monitor Missouri



August 23, 2022
(Released Thursday, Aug. 25, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	50.62	49.38	26.25	6.09	1.54	0.00
Last Week 08-16-2022	39.95	60.05	35.94	19.26	2.41	0.00
3 Months Ago 05-24-2022	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year 01-04-2022	64.36	35.64	0.43	0.00	0.00	0.00
Start of Water Year 09-28-2021	48.89	51.11	2.29	0.00	0.00	0.00
One Year Ago 08-24-2021	95.17	4.83	0.00	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu



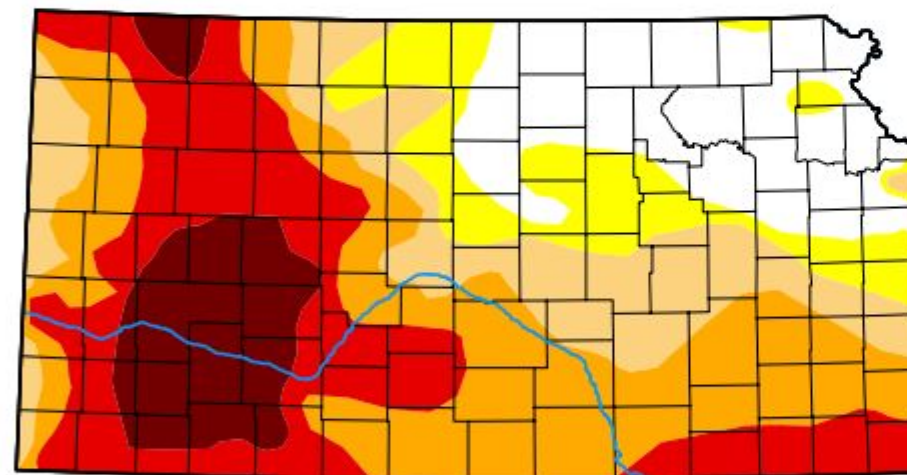
Kansas Drought Monitor

August 25, 2022
12:40 PM

Overview

- Extreme (D3) drought conditions persist over Cherokee County in southeast Kansas.
- Severe (D2) drought continues over Crawford and southern Bourbon Counties in southeast Kansas.
- Severe (D2) drought to Exceptional (D4) drought conditions persist across southern and western Kansas, and cover nearly 60 percent of the state.

U.S. Drought Monitor Kansas



August 23, 2022
(Released Thursday, Aug. 25, 2022)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	17.50	82.50	72.12	56.84	31.61	10.18
Last Week 08-16-2022	13.26	86.74	72.46	57.56	31.92	10.75
3 Months Ago 05-24-2022	28.98	71.02	65.27	44.41	25.80	4.09
Start of Calendar Year 01-04-2022	25.19	74.81	52.34	14.06	2.45	0.00
Start of Water Year 09-28-2021	51.22	48.78	15.04	4.14	0.00	0.00
One Year Ago 09-24-2021	51.21	48.79	10.18	0.82	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Springfield, Missouri

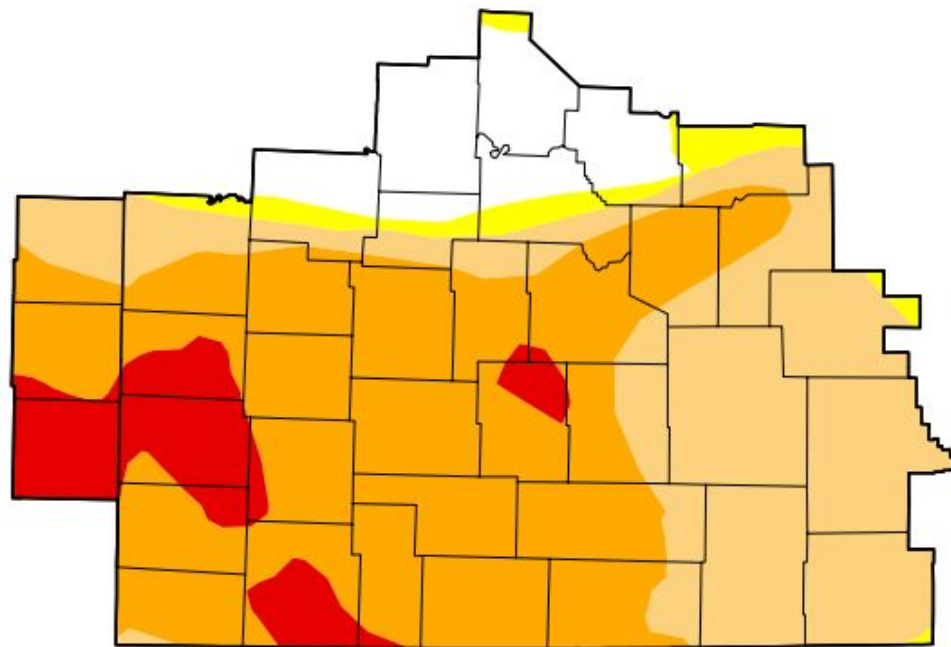


Drought Monitor Comparison

August 25, 2022
12:40 PM

U.S. Drought Monitor Springfield, MO WFO

August 16, 2022
(Released Thursday, Aug. 18, 2022)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP

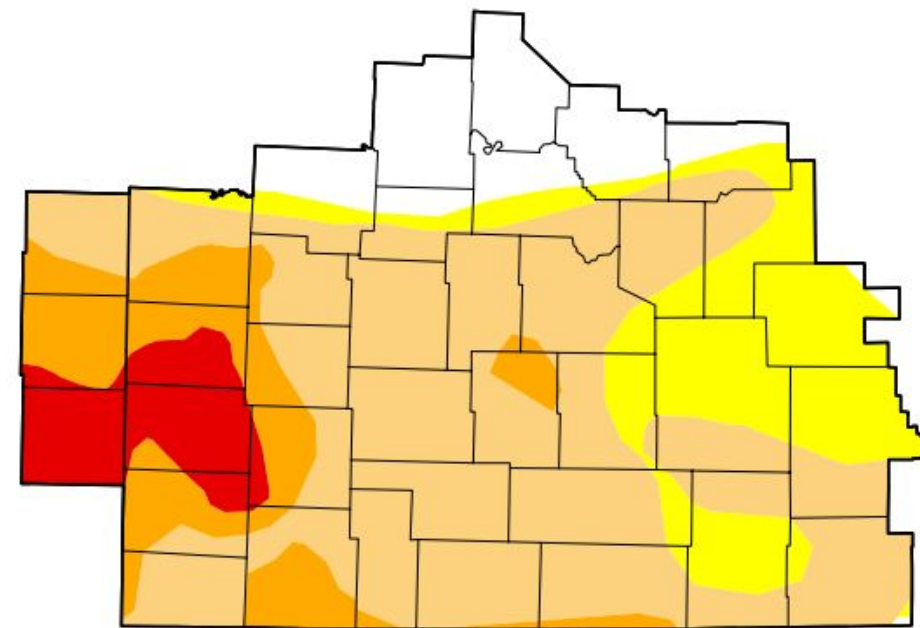


droughtmonitor.unl.edu

August 18 Drought Monitor

U.S. Drought Monitor Springfield, MO WFO

August 23, 2022
(Released Thursday, Aug. 25, 2022)
Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke
National Drought Mitigation Center



droughtmonitor.unl.edu

August 25 Drought Monitor

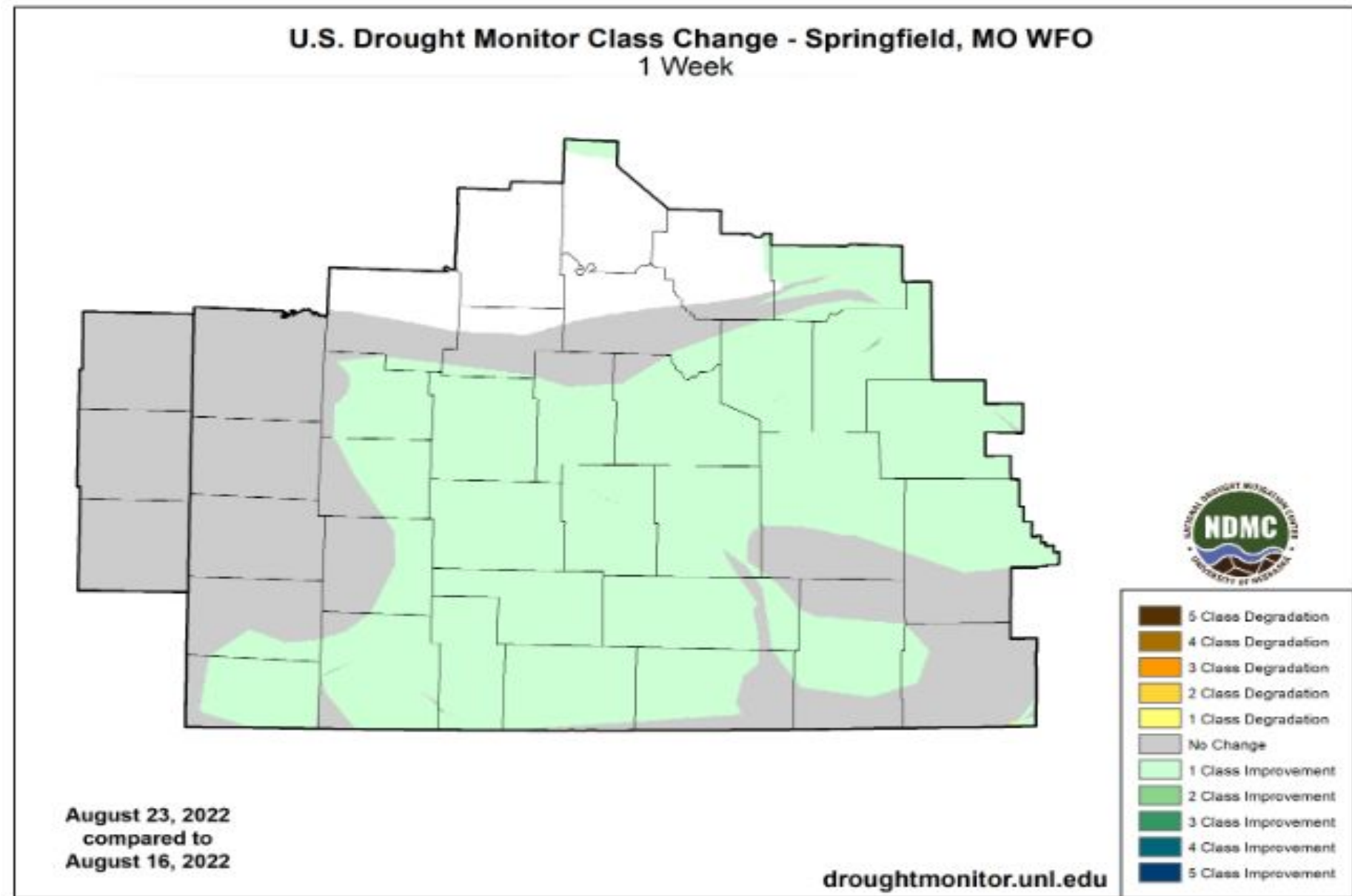


Drought Monitor Class Change

August 25, 2022
12:40 PM

Highlights

- Areas of improvement shown in green
- Areas with no change shown in gray
- Many locations east of Interstate 49 saw improvement
- Areas in white continue to have no drought designation





Drought Classification

August 25, 2022
12:40 PM

Drought Information

- [State Impacts](#)
- [Drought Impacts Toolkit](#)
- [Drought Monitor Archive](#)

Category	Description	Possible Impacts	Ranges				
			Palmer Drought Severity Index (PDSI)	CPC Soil Moisture Model (Percentiles)	USGS Weekly Streamflow (Percentiles)	Standardized Precipitation Index (SPI)	Objective Drought Indicator Blends (Percentiles)
D0	Abnormally Dry	Going into drought: <ul style="list-style-type: none"> • short-term dryness slowing planting, growth of crops or pastures Coming out of drought: <ul style="list-style-type: none"> • some lingering water deficits • pastures or crops not fully recovered 	-1.0 to -1.9	21 to 30	21 to 30	-0.5 to -0.7	21 to 30
D1	Moderate Drought	<ul style="list-style-type: none"> • Some damage to crops, pastures • Streams, reservoirs, or wells low, some water shortages developing or imminent • Voluntary water-use restrictions requested 	-2.0 to -2.9	11 to 20	11 to 20	-0.8 to -1.2	11 to 20
D2	Severe Drought	<ul style="list-style-type: none"> • Crop or pasture losses likely • Water shortages common • Water restrictions imposed 	-3.0 to -3.9	6 to 10	6 to 10	-1.3 to -1.5	6 to 10
D3	Extreme Drought	<ul style="list-style-type: none"> • Major crop/pasture losses • Widespread water shortages or restrictions 	-4.0 to -4.9	3 to 5	3 to 5	-1.6 to -1.9	3 to 5
D4	Exceptional Drought	<ul style="list-style-type: none"> • Exceptional and widespread crop/pasture losses • Shortages of water in reservoirs, streams, and wells creating water emergencies 	-5.0 or less	0 to 2	0 to 2	-2.0 or less	0 to 2



Seasonal Drought Outlook

August 25, 2022
12:40 PM

August 18, 2022 - November 30, 2022

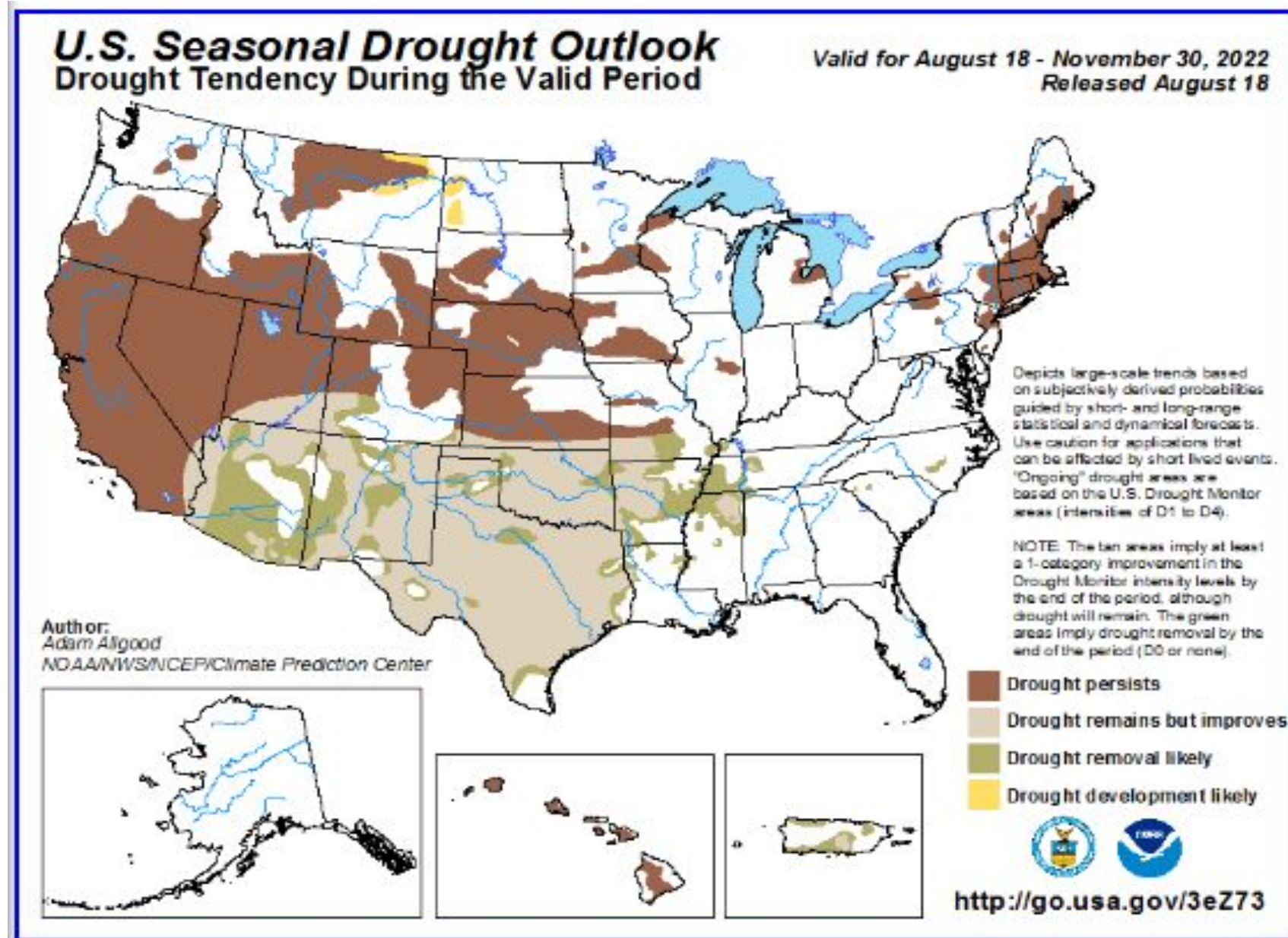
Drought Worsens



Drought Persists



Drought Removal





September 1 - September 7 Outlook

August 25, 2022
12:40 PM

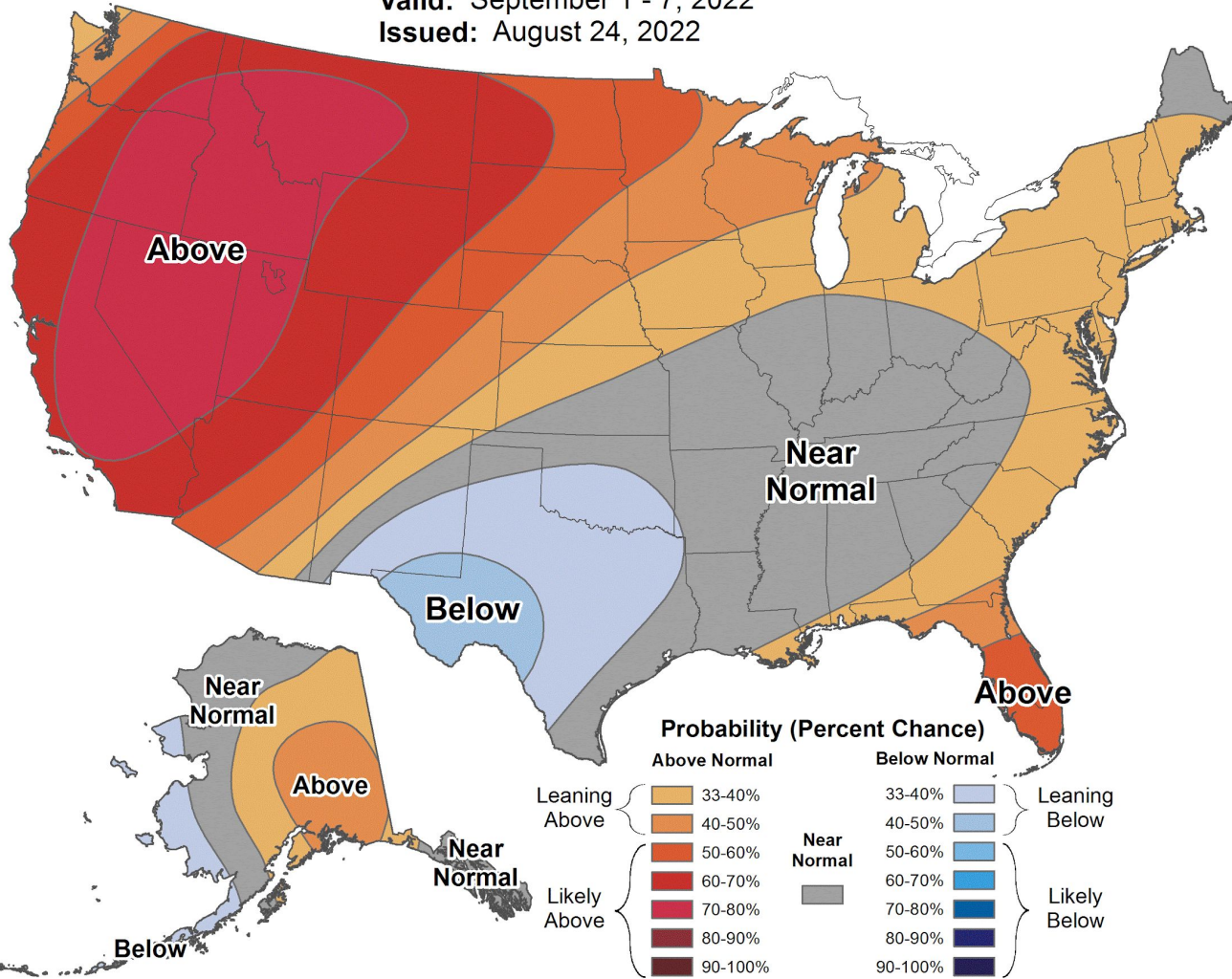
Near Normal Temperatures and Near to Above Normal Precipitation are Favored



8-14 Day Temperature Outlook



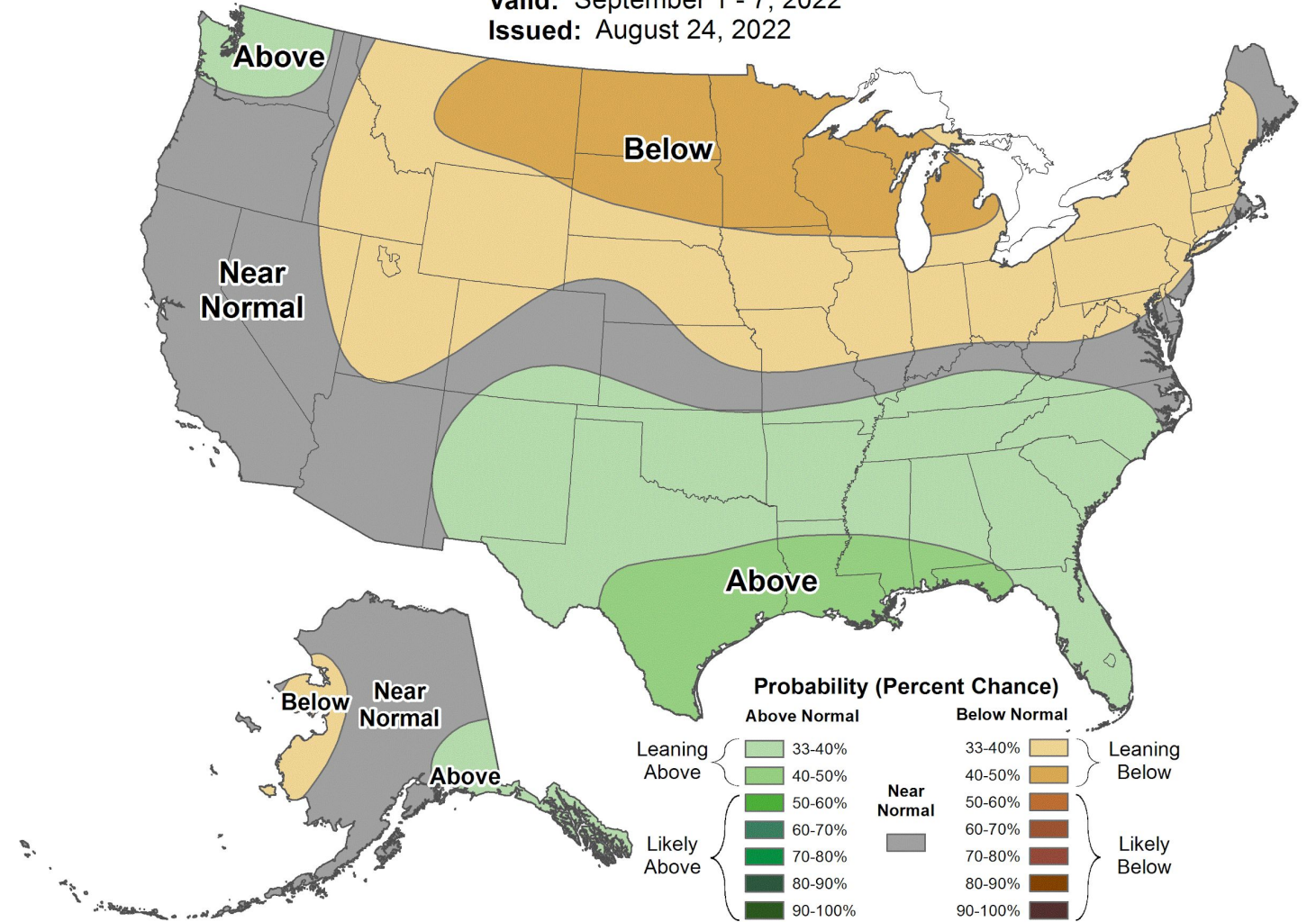
Valid: September 1 - 7, 2022
Issued: August 24, 2022



8-14 Day Precipitation Outlook



Valid: September 1 - 7, 2022
Issued: August 24, 2022





Precipitation Since June 1

August 25, 2022
12:40 PM

Precipitation Since June 1 (in inches)

Location	Total	Normal	Dep. Normal
Springfield	6.58	11.07	-4.49
Joplin	5.79	12.06	-6.27
Vichy/Rolla	8.17	11.80	-3.63
West Plains	8.01	10.93	-2.92

- Precipitation amounts since June 1st still averaged 3-6 inches below normal.



For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [NWS Springfield Drought Monitor Resources](#)
- [Graphical Hazardous Weather Outlook](#)
- [Missouri Drought Monitor](#) | [Kansas Drought Monitor](#)
- [CPC Drought Information](#)
- [National Integrated Drought Information System \(NIDIS\)](#)
- [National Drought Mitigation Center \(NDMC\)](#)
- [Missouri USGS Streamflows](#) | [Kansas USGS Streamflows](#)
- [Drought Safety](#)

Drought Impacts



Agriculture

Farms, ranches, and grazing lands suffer, and increases the cost of their products



Public Health

A decrease of water can lead to an increase of illness, disease, mortality rates, and adverse mental health



Ecosystems

Harms fish, wildlife, and plants, as well as the benefits these ecosystems provide



Wildfire Management

Dry, hot, and windy weather combined with dried out vegetation can lead to more large-scale wildfires



Manufacturing

Interruptions in the water supply can result in a reduction of productivity or closure of facilities



Energy

Production of all types of energy requires water, and drought can severely impact energy systems and prices



During a Drought be Vigilant

Conserve Water

Practice Fire Prevention

Follow Directions from Local Officials

Trinity Lake, CA, dry lakebed during California Drought, 2014. Photo: USGS



weather.gov/drought

